

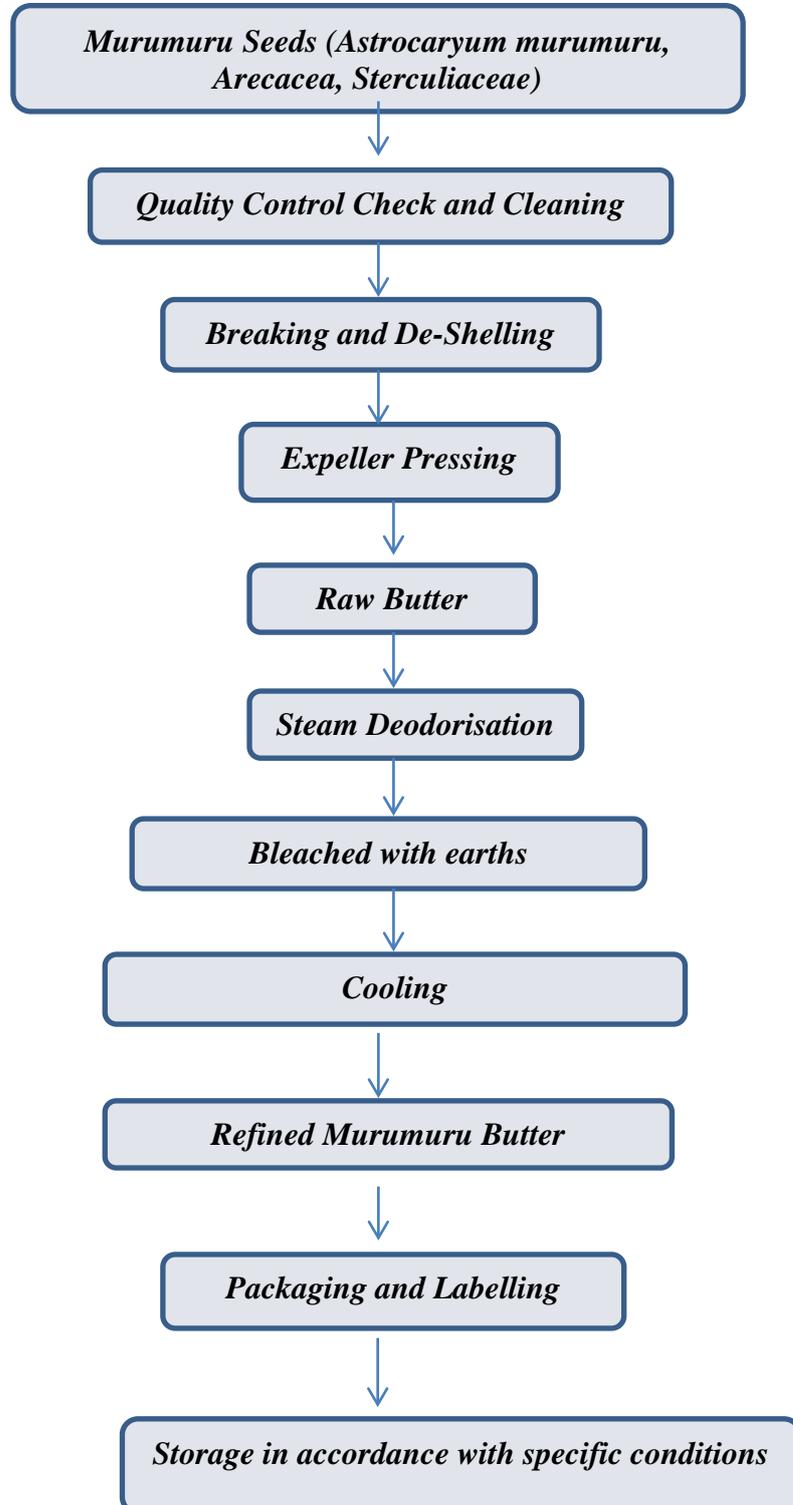


Certificate of Analysis

| PRODUCT DETAILS | | |
|--------------------------------------|---|---------------|
| Product Name | MURUMURU BUTTER | |
| Product Code | BUTTMURU | |
| Batch Number | 4486610 | |
| Best Before End | November 2024 | |
| Identification | CAS No: NA | EINECS No: NA |
| PHYSICAL AND CHEMICAL CHARACTERISTIC | | |
| | SPECIFICATION RANGE | RESULTS |
| Appearance | Solid fat, may liquefy | Conforms |
| Colour | Off-white to Yellow | Conforms |
| Odour | Characteristic | Conforms |
| Melting Point °C | 27.0 - 36.0 | 33 |
| Acid Value (mgKOH/g) | ≤ 30.0 | 15.9 |
| Iodine Value (mg/g) | 20.0 - 100.0 | 46.2 |
| Saponification Value (mgKOH/g) | 150.0 - 270.0 | 212.2 |
| STORAGE AND SHELF LIFE | | |
| Storage | Store in a tightly closed container with minimum headspace in a cool, dark and dry place. | |
| Shelf Life | 24 Months unopened and stored as above. | |

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where Ekokoza s.r.o. Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. **It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.**

MURUMURU BUTTER FLOW CHART





SAFETY DATA SHEET MURUMURU BUTTER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name MURUMURU BUTTER
Product number BUTTMURU
Synonyms; trade names ASTOCARYUM MURUMURU SEED BUTTER

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial,

1.3. Details of the supplier of the safety data sheet

Supplier

Ekokoza s.r.o.
Fryčovice 297, 73945, Fryčovice
IČ: 07508247, eshop@ekokoza.cz

Nouzové telefonní číslo: +420224919293 , +420224915402 (telefon 24hod/
denně) Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha2)

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name MURUMURU BUTTER

MURUMURU BUTTER

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Get medical attention if any discomfort continues. |
| Ingestion | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues. |
| Skin contact | Wash skin thoroughly with soap and water or use an approved skin cleanser. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

4.2. Most important symptoms and effects, both acute and delayed

General information No further information available at this time.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use as appropriate carbon dioxide (CO₂), dry chemical or foam

Unsuitable extinguishing media For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards Closed containers may build up pressure at elevated temperatures.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water.

Special protective equipment for firefighters Wear full protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Wash thoroughly after dealing with a spillage. Treat the spilled material according to the instructions in the clean-up section.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect material mechanically, placing in appropriate containers for disposal. Never return spills in original containers for re-use. Wash spill site after material pick up is complete.

6.4. Reference to other sections

MURUMURU BUTTER

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Avoid inhalation of dust and vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not empty into drains. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide eyewash station Provide adequate ventilation.

Personal protection

Use personal protection according to Directive 89/686/EEC

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

Generally unnecessary in a well ventilated area.
If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls

Avoid discharging into drains. Do not release into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Solid fat, may liquefy.

Colour

Off-white. to Yellow.

Odour

Characteristic.

Melting point

27.0 - 36.0°C

Solubility(ies)

Insoluble in water.

9.2. Other information

Hydrocarbon Content

MURUMURU BUTTER

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity It presents no significant reactivity hazards, by itself or in contact with water.

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No data available.

10.4. Conditions to avoid

Conditions to avoid No data available.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Strong acids. Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products When heated to decomposition, it emits acrid smoke, fumes as well as monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No data available.

Acute toxicity - oral

Notes (oral LD₅₀) No information available.

Acute toxicity - dermal

Notes (dermal LD₅₀) No information available.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No information available.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - microorganisms No data available.

Chronic aquatic toxicity

Toxicity to soil No data available.

12.2. Persistence and degradability

Biodegradation Expected to be readily biodegradable.

Biological oxygen demand No data available.

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

MURUMURU BUTTER

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

MURUMURU BUTTER

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Dangerous Preparations Directive 1999/45/EC.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance

CHIP for everyone HSG228.

15.2. Chemical safety assessment

SECTION 16: Other information

| | |
|-----------------|------------|
| Revision date | 10/03/2021 |
| Revision | 3 |
| Supersedes date | 21/12/2017 |
| SDS number | 5105 |

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Product Specification

| PRODUCT DETAILS | | |
|--------------------------------------|--|---------------|
| Product Name | MURUMURU BUTTER | |
| Product Code | BUTTMURU | |
| Tariff Number | 1515 9060 00 | |
| Synonym/ Trade Name | Astrocaryum Murumuru Seed Butter | |
| Natural Status | We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. This product does not contain any solvents or additives. | |
| Food Grade Status | No | |
| Kosher Certified | No | |
| Halal Certified | Not Certified | |
| GMO Declaration | To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms. | |
| Manufacturing Process | Please request Flowchart | |
| Identification | CAS No: NA | EINECS No: NA |
| PHYSICAL AND CHEMICAL CHARACTERISTIC | | |
| Appearance | Solid fat, may liquefy | |
| Colour | Off-white to Yellow | |
| Odour | Characteristic | |
| Relative Density @ 20°C | NA | |
| Melting Point °C | 27.0 - 36.0 | |
| Acid Value (mgKOH/g) | ≤ 30.0 | |
| Iodine Value (mg/g) | 20.0 - 100.0 | |
| Saponification Value (mgKOH/g) | 150.0 - 270.0 | |
| Solubilities | Insoluble in Water | |
| FRAGRANCE ALLERGENS | | |
| NOT APPLICABLE | | |
| FOOD ALLERGENS | | |
| NOT APPLICABLE | | |
| IFRA | | |
| NOT APPLICABLE | | |
| STORAGE AND SHELF LIFE | | |
| Storage | Store in a tightly closed container with minimum headspace in a cool, dark and dry place. | |
| Shelf Life | 24 Months unopened and stored as above. | |

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Vegan and Vegetarian Statement

| IDENTIFICATION | |
|---|-----------------|
| Product: | MURUMURU BUTTER |
| Cas No: | N/A |
| EINECS No: | N/A |
| STATEMENT | |
| <p>We, Ekokoza s.r.o., from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p> | |